AMENDMENTS TO THE CLAIMS

1. (Original) A process for manufacturing a polymer foam which comprises an exothermal foaming step carried out in the presence of a means for preventing heat accumulation.

2. (Original) The process according to claim 1, wherein the means for preventing heat accumulation is a compound having an atmospheric boiling point of at least 80°C.

3. (Original) The process according to claim 2, wherein the means for preventing heat accumulation is present in an amount of 0.5 to 10% by weight relative to the total amount of material present in the foaming step.

4. (Original) The process according to claim 1, wherein the means for preventing heat accumulation is a compound capable of endothermic decomposition at a temperature of at least 80°C.

5. (Original) The process according to claim 4, wherein the means for preventing heat accumulation is present in an amount of 0.1 to 5% by weight relative to the total amount of material present in the foaming step.

6. (Currently amended) The process according to ~~anyone of claims 1 to 5~~ claim 1, which is carried out in the presence of a physical blowing agent.

7. (Original) The process according to claim 6, wherein the physical blowing agent comprises a hydrofluorocarbon.

8. (Original) The process according to claim 7, wherein the hydrofluorocarbon blowing agent comprises 1,1,1,3,3-pentafluorobutane (HFC-365mfc) and/or 1,1,1,3,3-pentafluoropropane (HFC-245fa).

9. (Currently amended) The process according to ~~anyone of claims 6 to 8~~ claim 6, wherein the physical blowing agent comprises a hydrocarbon.

10. (Currently amended) The process according to claim 9, wherein the hydrocarbon blowing agent comprises n-pentane, isopentane or cyclopentane.

11. (Currently amended) The process according to ~~anyone of claims 6 to 10~~ claim 6, wherein the physical blowing agent has an atmospheric boiling point of from -30°C to less than 80°C~~, preferably from 0°C to 50°C~~.

12. (Currently amended) The process according to ~~anyone of claims 1 to 11~~ claim 1, in which, in the foaming step, at least one isocyanate is reacted with at least one polyol in the presence of at least one catalyst to manufacture a polyurethane or a modified polyurethane foam.

13. (Currently amended) The process according to ~~anyone of claims 1 to 11~~ claim 1, in which, in the foaming step, at least one diphenol is reacted with at least one aldehyde in the presence of at least one catalyst to manufacture a phenolic foam.

14. (Currently amended) The process according to ~~anyone of claims 1 to 13~~ claim 1, wherein the foam has a thickness of at least 1 cm.

15. (Currently amended) The process according to ~~anyone of claims 1 to 13~~ claim 1, wherein the foam is a block-foam.

16. (Currently amended) A polymer foam which is obtainable by the process according to ~~anyone of claims 1 to 15~~ claim 1.

17. (Original) A composition which comprises a physical blowing agent and a means for preventing heat accumulation.

18. (Original) The composition according to claim 17, which is a foamable mixture for producing a polymer foam.

19. (Canceled)

20. (New) The process according to claim 6, wherein the physical blowing agent has an atmospheric boiling point of from 0°C to 50°C

21. (New) A method for manufacturing a block foam which comprises a hydrofluorocarbon blowing agent in accordance with claim 7.